

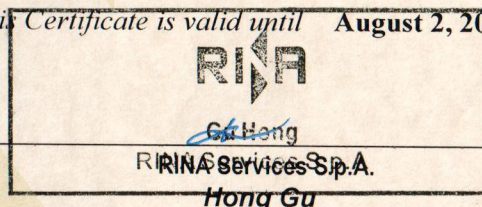


**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF  
MATERIALS  
No. FAB107920WS**

**This is to certify** that the manufacture of the product identified below is in compliance with the applicable requirements of the RINA Rules for the Approval of Manufacturers of Materials.

<i>Description</i>	<b>Normal strength and higher strength hull steel plates</b>
<i>Type</i>	<b>A/B/D/E/AH32/AH36/AH40/DH32/DH36/DH40/EH32/EH36/EH40</b>
<i>Applicant</i>	<b>JIANGSU SHAGANG GROUP CO., LTD. Jinfeng Town, 215625 Zhangjiagang CHINA</b>
<i>Manufacturer</i>	<b>JIANGSU SHAGANG GROUP CO., LTD.</b>
<i>Place of manufacture</i>	<b>Jinfeng Town, 215625 Zhangjiagang CHINA</b>
<i>Reference standards</i>	<b>RINA Rules for the approval of manufacturers of materials</b>

Issued in **RINA China Marine** on **August 3, 2020**. This Certificate is valid until **August 2, 2025**



This certificate consists of this page and 1 enclosure





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A/B/D/E/AH32/AH36/AH40/DH32/DH36/DH40/EH32/EH36/EH40

**APPROVAL CONDITIONS for  
5000mm Plate workshop of Steel Plate Mill**

**- Particulars:**

Grades	Steel- making <sup>1)</sup>	Deoxidation	Fine grain elements	Delivery condition <sup>2)</sup>	Max. thickness (mm)	Z-quality
A,B,D,E	BOC, CC	Killed	Al+Nb+Ti	TMCP	100	Z35
AH32,DH32,EH32, AH36,DH36,EH36, AH40,DH40,EH40.	BOC, CC	Killed	Al+Nb+Ti	TMCP	100	Z35

**- Dimension:**

Thickness: 60~100mm;

Width: 1500~4800mm;

Length: 3000~25000mm

Remarks:

1) BOC: Basic Oxygen Converter; CC: Continuous Casting;

2) TMCP: Thermo-Mechanical rolling;

**General conditions for the approval**

-The approval is granted on condition that the RINA Rules for the approval, manufacture, testing and certification of materials are complied with in all respects.

-RINA is to be notified of any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate.

